

Teco LVED IE2 Aluminium AC Motors Performance Data



4 Pole (1500rpm@50Hz)

Rating at 400V, 50Hz

IE2 Efficiency Motors to IEC 60034-30; 2008

| Power (kW) | Teco Part Code | Frame | Rated Speed (50Hz) | Efficiency | | | Power Factor* | Current | | | Torque | | Rotor Inertia (kg-m ²) |
|------------|----------------|-------|--------------------|---------------|--------------|--------------|---------------|--------------------|------------------|-----------------------|---------------------------------------|---------------------------------------|------------------------------------|
| | | | | Full Load (%) | 3/4 Load (%) | 1/2 Load (%) | | I _N (A) | Locked Rotor (A) | T _N (kg-m) | T _i /T _N (%FLT) | T _b /T _N (%FLT) | |
| 0.18 | I2-0.18-4B3 | 63 | 1375 | 65.0 | 63.8 | 58.2 | 74.5 | 0.54 | 2.1 | 0.127 | 200 | 200 | 0.002 |
| 0.25 | I2-0.25-4B3 | 71 | 1380 | 69.5 | 70.1 | 66.2 | 77.0 | 0.67 | 2.8 | 0.176 | 200 | 200 | 0.003 |
| 0.37 | I2-0.37-4B3 | 71 | 1385 | 69.5 | 69.9 | 66.3 | 75.0 | 1.02 | 4.3 | 0.260 | 205 | 205 | 0.003 |
| 0.55 | I2-0.55-4B3 | 80 | 1435 | 78.1 | 78.1 | 75.2 | 76.0 | 1.34 | 8.8 | 0.373 | 255 | 280 | 0.01 |
| 0.75 | I2-0.75-4B3 | 80 | 1430 | 79.6 | 79.6 | 76.1 | 77.5 | 1.75 | 11 | 0.510 | 245 | 270 | 0.012 |
| 1.1 | I2-1.10-4B3 | 90S | 1435 | 81.4 | 81.4 | 79.2 | 80.0 | 2.44 | 17 | 0.746 | 265 | 305 | 0.014 |
| 1.5 | I2-1.50-4B3 | 90L | 1430 | 82.8 | 83.2 | 81.9 | 80.0 | 3.27 | 23 | 1.021 | 275 | 315 | 0.018 |
| 2.2 | I2----2-4B3 | 100L | 1435 | 84.3 | 86.3 | 86.5 | 81.5 | 4.62 | 32 | 1.492 | 280 | 285 | 0.039 |
| 3 | I2----3-4B3 | 100L | 1430 | 85.5 | 86.5 | 86.7 | 78.5 | 6.45 | 42 | 2.041 | 270 | 250 | 0.044 |
| 4 | I2----4-4B3 | 112M | 1440 | 86.6 | 87.0 | 87.0 | 83.5 | 7.98 | 63 | 2.703 | 285 | 285 | 0.065 |
| 5.5 | I2----5-4B3 | 132S | 1450 | 87.7 | 88.2 | 86.9 | 84.0 | 10.8 | 80 | 3.691 | 255 | 295 | 0.145 |
| 7.5 | I2----7-4B3 | 132M | 1455 | 88.7 | 88.8 | 88.0 | 84.0 | 14.5 | 109 | 5.015 | 265 | 300 | 0.176 |
| 11 | I2---11-4B3 | 160M | 1465 | 90.0 | 90.5 | 90.0 | 86.0 | 20.5 | 160 | 7.306 | 200 | 240 | 0.296 |
| 15 | I2---15-4B3 | 160L | 1465 | 91.0 | 91.5 | 91.0 | 86.5 | 27.5 | 220 | 9.962 | 220 | 255 | 0.427 |

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